

Rural telecom site BESS energy storage system solar panel size Nigeria



Overview

The hub is powered by a 350 kWp solar PV system integrated with 600 kWh of battery energy storage, engineered and executed by Grid Crux and operated by IHS Towers in partnership with the Kwara State Government. These systems were deeply integrated with the existing local photovoltaic power generation system, creating an efficient and reliable. However, the International Renewable Energy Agency's (IRENA) “Renewable Energy Statistics 2024” report indicates Nigeria had only 35 MW of installed solar PV capacity by the end of 2023, compared to South Africa's 3,500 MW. High upfront costs and grid limitations hinder widespread adoption. The community now benefits from a sustainable off-grid solar-plus-storage solution delivered by ATESS. The ATESS BESS system installed for the Nata'ala community The project incorporates the following technical specifications: This integrated system ensures a consistent and clean energy supply. Husk Power will deploy a 1.



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